

## Digital Micro Ohms Meter for 3 Phase Transformers PRO 7280

### FEATURES

The Metravi PRO 7280 Micro Ohms Meter for 3-Channel Transformers is a commonly used instrument for measuring Grounding Resistance.

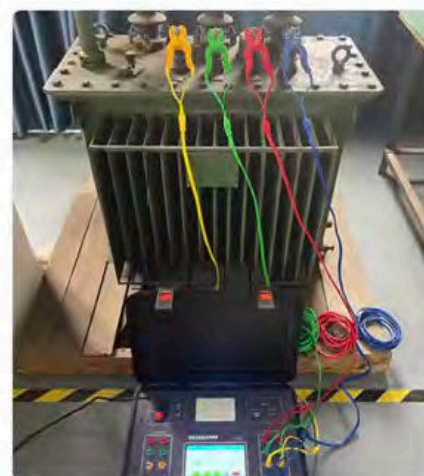
It adopts new frequency conversion AC power supply, dual frequency measurement technology, large, colour, touchscreen and microprocessor technology to meet the requirements of two-wire, three-wire and four-wire test impedance, and can measure Soil Resistivity, Step Voltage, Distributed Potential, Touch Voltage, Current Phase Angle and other parameters.

It is suitable for telecommunications, electric power, meteorology, computer room, oil field, power distribution lines, tower transmission lines, gas stations, factory grounding grids, lightning rods, etc. It meets the standards of power substations and lightning protection devices.



### FEATURES

- Tests are accurate, fast, simple, stable and reliable.
- The tester outputs an open-circuit rated voltage of 27V and a maximum short-circuit current of 20A.
- Microprocessor control and automatic dual-frequency technology can accurately measure and calculate the grounding impedance value under the 50Hz power frequency state even under strong interference state.
- Large-screen display is clear at a glance.
- 500 groups of data are stored.
- Resistance measurement range is 0.1 $\mu\Omega$  ~ 5000 $\Omega$  .
- The measurement data can be printed by thermal printer.
- Data can be exported using U Disk and PC software.
- Functions such as reading, viewing, saving, and printing historical data.data.



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### TECHNICAL SPECIFICATIONS

Measure current	Measuring range	Precision	Resolution
20A	0.0001~1.0000mΩ	±0.2%FS±10dgt	0.1uΩ
	1.001~10.000mΩ	±0.2%FS±10dgt	0.0 01mΩ
	10.01~100.00mΩ	±0.2%FS±10dgt	0.01mΩ
	100.1~1000.0mΩ	±0.2%FS±10dgt	0.1mΩ
10A	0.0001~1.0000mΩ	±0.2%FS±10dgt	0.1uΩ
	1.001~10.000mΩ	±0.2%FS±10dgt	0.0 01mΩ
	10.01~100.00mΩ	±0.2%FS±10dgt	0.01mΩ
	100.1~1000.0mΩ	±0.2%FS±10dgt	0.1mΩ
5A	0.001~10.000mΩ	±0.2%FS±10dgt	0.001mΩ
	10.01~100.00mΩ	±0.2%FS±10dgt	0.01mΩ
	100.1~1000.0mΩ	±0.2%FS±10dgt	0.1mΩ
	1.001~5.000Ω	±0.2%FS±10dgt	0.001Ω
2A	0.001~10.000mΩ	±0.2%FS±10dgt	0.001mΩ
	10.01~100.00mΩ	±0.2%FS±10dgt	0.01mΩ
	100.1~1000.0mΩ	±0.2%FS±10dgt	0.1mΩ
	1.001~10.000Ω	±0.2%FS±10dgt	0.001Ω
0.5A	0.01~100.00mΩ	±0.2%FS±10dgt	0.01mΩ
	100.1~1000.0mΩ	±0.2%FS±10dgt	0.1mΩ
	1.001~10.000Ω	±0.2%FS±10dgt	0.0 01Ω
	10.01~50.00Ω	±0.2%FS±10dgt	0.01Ω
0.2A	10.01~100.00Ω	±0.2%FS±10dgt	0.01Ω
	100.1~1000.0Ω	±0.2 5 %FS±15dgt	0.1Ω
	1001~5000Ω	±0. 3 %FS± 20dgt	10h

Temperature characteristics : plus test accuracy  $\times 0.1 / ^\circ\text{C}$  within the operating temperature range. (outside  $18^\circ\text{C}$  to  $28^\circ\text{C}$ )  
at  $8^\circ\text{C}$  :  $\pm 0.2\%FS \pm 10dgt$  (basic accuracy) +  $0.1 \times 10$  (temperature difference)  $\times (0.2\%FS + 10dgt) = \pm 0.4\%FS \pm 20dgt$



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### GENERAL SPECIFICATIONS

<b>Function</b>	It is mainly used to measure the DC resistance of transformers, transformer winding resistance, grounding network connection continuity, wire resistance of cables, contact resistance of switches, connectors, relays, coils, motors, transformer winding resistances and metal riveting resistance, metal components Connection resistance test, low value resistance test, contact resistance test, etc.
<b>Resistance Range</b>	0.1uΩ - 5000Ω
<b>Power Supply</b>	AC 220V 10A (50Hz)
<b>Rated Measuring Power</b>	12 00W
<b>Backlight</b>	Adjustable backlight brightness
<b>Measurement Method</b>	Four-wire test
<b>Short Circuit Current Output</b>	0.2A / 0.5A / 2A / 5A / 10A / 20A ( 6 settings)
<b>Short Circuit Maximum Current</b>	DC 20A ±10%
<b>No-Load Maximum Voltage</b>	DC 27V ± 15 % _
<b>Display Screen</b>	7 inch Colour Touchscreen
<b>Overload Protection</b>	Yes
<b>Automatic Discharge</b>	Yes
<b>U Disk Interface</b>	Copy and save data
<b>USB Interface</b>	With a USB interface , it can be connected to the host computer to view data
<b>Measurement Instructions</b>	Measurement progress display, real-time measurement display
<b>Meter Size</b>	(LxWxH) 400mm × 300mm ×210mm
<b>Standard Test Lead Length</b>	4 strips (Red 5m, Blue 5m, Yellow 5m , Green 5m : 2 each )
<b>Printing</b>	Built-in thermal printer
<b>Paper Specifications</b>	57*40mm

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### GENERAL SPECIFICATIONS

<b>Data Storage</b>	500 sets of measurement data storage
<b>Data Access</b>	Yes
<b>Overflow Display</b>	Over range overflow function: "OL" symbol display
<b>Power Consumption</b>	Standby: ≤ 110W / Measurement: ≤ 15 00W
<b>Quality</b>	Gauge: 7 kg
<b>Working Temperature and Humidity</b>	-10°C~40°C; below 80%RH
<b>Storage Temperature and Humidity</b>	-20°C~60°C; below 70%RH
<b>Insulation Resistance</b>	10MΩ or more (500V between circuit and case)
<b>Pressure Resistance</b>	AC 3700V/RMS (between circuit and case)
<b>Electromagnetic Properties</b>	IEC61010-4-3, radio frequency electromagnetic field≤1V/m
<b>Suitable for Safety Regulations</b>	IEC61010-1, IEC1010-2-31, IEC61557-1, 5, IEC60529 (IP54), pollution 2, CATIII 300V

